| United States Patent [19] Dickhudt et al. |                          |  |
|---|--------------------------|--|
| [54]                                      | TISSUE STIMULATOR CASING |  |
| [75]                                      | Inventors:               | Eugene A. Dickhudt, New Brighton;<br>Michael Krol, Golden Valley, both<br>of Minn. |
| [73]                                      | Assignee:                | Medtronic, Inc., Minneapolis, Minn.  |

# 

224/252, 904, 902; 128/421, 422, 419 P

[11] Patent Number:

4,770,328

[45] Date of Patent:

Sep. 13, 1988

## [56] References Cited

#### U.S. PATENT DOCUMENTS

Primary Examiner—Henry J. Recla Assistant Examiner—David Voorhees Attorney, Agent, or Firm—Robert J. Klepinski; Joseph F. Breimayer; John L. Rooney

### [57] ABSTRACT

A casing for a tissue stimulator includes a box portion for containing the stimulator circuitry and a cover hingeably mounted on the box portion. The cover has a clip for mounting on the user's belt. The box rotates away from the cover approximately 90° to a generally horizontal position wherein the user can manipulate controls on the stimulator.

#### 2 Claims, 1 Drawing Sheet

